RAW SEQUENCE LISTING

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Application Serial Number: 10/078,927C
Source: IFW16
Date Processed by STIC: 11/28/05

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IFW16

RAW SEQUENCE LISTING DATE: 11/28/2005
PATENT APPLICATION: **US/10/078,927C** TIME: 14:33:22

Input Set : **A:\SJ-01-0032 Revised 1105.ST25.txt**
Output Set: **N:\CRF4\11282005\J078927C.raw**

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      3 <110> APPLICANT: St. Jude Children's Research Hospital
      4       St. Jude Children's Research Hospital
      5       Curran, Thomas
      6       Keshvara, Lakhu
      8 <120> TITLE OF INVENTION: Cyclin Dependent Kinase 5 Phosphorylation of Disabled 1
Protein
     10 <130> FILE REFERENCE: SJ-01-0032
     12 <140> CURRENT APPLICATION NUMBER: 10/078,927C
     13 <141> CURRENT FILING DATE: 2002-02-19
     15 <160> NUMBER OF SEQ ID NOS: 5
     17 <170> SOFTWARE: PatentIn version 3.2
     19 <210> SEQ ID NO: 1
     20 <211> LENGTH: 6
     21 <212> TYPE: PRT
     22 <213> ORGANISM: Mus musculus
     25 <220> FEATURE:
     26 <221> NAME/KEY: DOMAIN
     27 <222> LOCATION: (1)..(6)
     28 <223> OTHER INFORMATION: smallest carboxy terminal Dab1 tryptic fragment containing a
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     29       phosphorylation site
     31 <220> FEATURE:
     32 <221> NAME/KEY: SITE
     33 <222> LOCATION: (3)..(3)
     34 <223> OTHER INFORMATION: Serine at residue #3 equates to Serine491 in mouse Dab1
sequence
     35       Cdk5 phosphorylation of Serine requires a Proline (P) in the +1
     36       position and a Lysine (K) in the +3 position
     38 <400> SEQUENCE: 1
     40 Gln Ser Ser Pro Ser Lys
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     44 <210> SEQ ID NO: 2
     45 <211> LENGTH: 24
     46 <212> TYPE: PRT
     47 <213> ORGANISM: Mus musculus
     50 <220> FEATURE:
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     53 <223> OTHER INFORMATION: Dab1 tryptic fragment containing a Cdk5 phosphorylation site
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     56 <221> NAME/KEY: SITE
     57 <222> LOCATION: (21)..(21)
     58 <223> OTHER INFORMATION: Serine at Reisdue 21 equates to Serine515 in mouse Dab1
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Cdk5 phosphorylation of Serine requires a Proline (P) in the +1 position and a Lysine (K) in the +3 position

<400> SEQUENCE: 2

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69             20
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73 <211> LENGTH: 14
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75 <213> ORGANISM: Mus musculus
78 <220> FEATURE:
79 <221> NAME/KEY: DOMAIN
80 <222> LOCATION: (1)..(14)
81 <223> OTHER INFORMATION: Dab1 phosphopeptide domain used for antibody production
83 <220> FEATURE:
84 <221> NAME/KEY: MOD_RES
85 <222> LOCATION: (8)..(8)
86 <223> OTHER INFORMATION: PHOSPHORYLATION, equates to Serine491 in mouse Dab1 sequence
87       Cdk5 phosphorylation of Serine requires a Proline (P) in the +1
88       position and a Lysine (K) in the +3 position
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93 1               5                  10
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99 <213> ORGANISM: Mus musculus
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106 gagccgagca ctccgccaga gtgaatgaca tgcacggtgt tgggtgtcct ttctgaaggg    180
108 aggagccttt ctcttggaga ggatcctcga tgagcctggc cgaggcccgg ggtctgtgtg    240
110 aagaggacta aggattaagt aggatgtcaa ctgagacaga acttcaagta gctgtgaaaa    300
112 ccagcgccaa gaaagactcc aggaagaaag gtcaggatcg cagcgaagcc actttgataa    360
114 agaggtttaa aggcgaaggg gtccggtaca aagccaagct gattgggatt gatgaagtgt    420
116 ccgcagctcg gggagacaag ttatgtcaag attccatgat gaagctcaag ggtgttgttg    480
118 ctggcgcacg ttccaaggga gaacacaaac agaaaatctt tttaaccatc tcctttggag    540
120 gaatcaaaat ctttgatgag aagacggggg cccttcagca tcaccatgct gttcatgaaa    600
122 tttcctacat tgcgaaggac atcacagatc atcgggcttt cggatacgtt tgcgggaagg    660
124 aagggaatca cagatttgtg gccatcaaaa cagcccaggc ggctgaacct gttatcctgg    720
126 acttgagaga tctctttcaa ctcatctatg agctgaagca aagagaagaa ttggaaaaaa    780
128 aggcacaaaa ggataagcag tgtgaacaag ctgtgtacca gaccattttg gaagaggatg    840
130 tggaagatcc cgtgtaccag tacattgtgt ttgaggctgg acatgagcca atccgtgatc    900
132 ctgaaacaga agagaacatt taccaggttc ccaccagcca aaagaaggaa ggtgtttatg    960
134 atgtgccaaa aagtcaacct gtaagtgctg tgacccaatt agaacttttt ggagacatgt   1020
136 ccacccctcc tgatataacc tctcccccta ctcctgcaac cccaggtgat gcctttctcc   1080
138 cgtcgtcgtc ccagacgctt ccggggagtg cagatgtgtt tggctctatg tctttcggca   1140
140 ctgctgctgt accctcaggt tatgtcgcta tgggcgccgt cctcccatcc ttctggggcc   1200
142 agcagcccct tgttcaacag cagatcgcca tgggtgctca gccacccgtc gctcaggtga   1260
144 taccaggagc tcagcccatc gcatggggcc agccaggtct ctttcctgcc acccagcaag   1320
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148 tgcctttagc agccgccatg ttccaaggtc ccctcacccc ccttgcaacc gtcccaggca 1440
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152 agtctttcaa ggatttccag atggtccagc ctccacccgt accctcccgg aagcctgacc 1560
154 agccctccct gacctgtacc tcagaggcct tctccagtta cttcaacaaa gtcggggtgg 1620
156 cacaggatac agacgactgt gatgactttg acatctccca actgaacttg acccctgtga 1680
158 cttctaccac accatctacc aactcacctc caaccccagc ccctaggcag agctctccat 1740
160 ccaaatcatc agcatcccac gtcagtgacc cgaccgcaga tgacatcttc gaagaaggct 1800
162 ttgaaagtcc cagcaaaagt gaagaacaag aagcacctga tggatcacag gcctcctcca 1860
164 ccagtgatcc atttggggag cccagtggtg agcccagtgg tgataatata agtccacaag 1920
166 acggtagcta gatagcgcag gtctgggagc cagagcctct ctatgcgaaa atcaacagac 1980
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170 cagtacaaca ggctctcttg ggctctcacc tcacttcatc ccacagaaaa actcacagtc 2100
172 gcccagtgaa accacctgaa gaaggaacaa catggttttt ggcaaccaat ggcagatacc 2160
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176 aaaaaaaaaa a 2231
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180 <211> LENGTH: 1665
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182 <213> ORGANISM: Homo sapiens
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189 cggtacaaag ccaaattgat cgggattgat gaagtttccg cagctcgggg agacaagtta 180
191 tgtcaagatt ccatgatgaa actcaagggc gttgttgctg gcgctcgttc caaaggagaa 240
193 cacaaacaga aaatcttttt aaccatctcc tttggaggaa tcaaaatctt tgatgagaag 300
195 acaggggccc ttcagcatca tcatgctgtt catgaaatat cctacattgc gaaggacatc 360
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199 ataaaaacag cccaagcggc tgaacctgtt attctggatt tgagagatct ctttcaactc 480
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207 caggttccca ccagccaaaa gaaggaaggt gtttatgatg tgccaaaaag tcaacctgta 720
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